

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hironori OKADO et al.

Application No.: New U.S. Application

Filed: September 5, 2003

Docket No.: 116711

For: ANTENNA AND WIRELESS COMMUNICATION CARD

INFORMATION DISCLOSURE STATEMENT

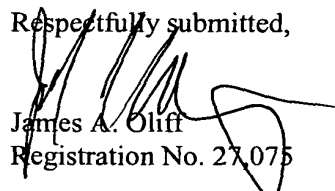
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references 1-2, 4, 6-7, 9 and 11-12 is discussed in the present specification.
- ☒ 3. English-language Abstracts of the non-English language references 4-7 are attached hereto.
- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See Reference 4.

Respectfully submitted,

  
James A. Oliff  
Registration No. 27,075

Joel S. Armstrong  
Registration No. 36,430

JAO:JSA/mlo  
Date: September 5, 2003

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116711		APPLICATION NO. New U.S. Application	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Hironori OKADO			
				FILING DATE September 5, 2003		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1.	US 2002/0122010 A1	9/5/2002	MCCORKLE			
	2.	US 6,351,246 B1	2/26/2002	MCCORKLE			
	3.	US 6,515,626 B2	2/4/2003	BARK et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	4.	JP A 8-213820 w/abstract & transl.	8/20/1996	JAPAN			
	5.	JP A 63-275204 w/abstract	11/11/1988	JAPAN			
	6.	JP A 57-142003 w/abstract	9/2/1982	JAPAN			
	7.	JP A 55-4109 w/abstract	1/12/1980	JAPAN			
	8.	31-709	1/21/1956	JAPAN			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	9.	Satoshi Honda et al.; "Wideband Monopole Antenna of Circular Disc; ITEJ Technical Report; Vol 15, No 59; October 1991; pp 25-30;					
	10.	Taisuke Ihara et al; "A Small Broadband Antenna with Rounded Semi-Circular Element"; 1996; pp 78					
	11.	Taisuke Ihara et al; "Broadband Characteristics of Semi-Circular Antenna combined with Linear Element"; General Convention of the Society of Electronics, Information and Communication Engineers; 1996; pp 77 w/translation					
	12.	Satoshi HONDA et al; " Improved Input Impedance of Circular Disc Monopole Antenna; 1992; pp 2-131					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: September 5, 2003